

In the Specification:

On page 6, line 16, after "array 30", kindly add --comprising a single linear row or column of active elements--.

A replacement page 6 of the Specification follows:

The Figure 3 embodiment shows a single 11 bit "V" slit sequence. Figure 4 shows a repeating sequence or URA of "V" slits. The pattern of "V" slits illustrated in Figures 1 and 4 is simplified as compared to the pattern that would actually be used in practice, the simplification being done to ease the explanation of the present invention. The Universal Redundant Array or URA is a particular sequence of a class of pseudorandom sequences that, when arranged in a redundant or repeating pattern, yield a constant cross-correlation for all delay values, except for that of zero delay or an integer multiple of the URA sequence length. In this way, a peak signal in the correlation function, indicative of pattern alignment, is perfectly distinguishable from the remainder of the correlation function, which in the URA case, is theoretically constant.

With reference to Figures 5-7, it is seen that a coded mask 20 overlies a detector array 30 comprising a single linear row or column of active elements. As shown in Figure 5, a point source of light 40 is located in a space 50. The mask 20 is adjacent the space 50 and between the space 50 and the detector array 30. Figure 7 shows the pattern of "V" slits provided on the coded mask 20 as well as the degree by which the mask 20 extends laterally of each dimension of the detector array 30. As seen in Figures 5 and 6, the edges of the coded mask make an angle of 60° with respect to a line extending vertically from the center of the detector array 30 to the coded mask 20. This angle has been chosen to ensure